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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2014 - 2022

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi, Turkey 2011 - 2014

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2006 - 2011

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comparative analysis of machine learning techniques and fuzzy analytic hierarchy process to determine the tacit knowledge criteria**
YAZICI İ., Beyca Ö. F., Gürcan Ö. F., Zaim H., Delen D., Zaim S.
ANNALS OF OPERATIONS RESEARCH, vol.308, no.1-2, pp.753-776, 2022 (SCI-Expanded)
- II. **A Comprehensive Study of Machine Learning Methods on Diabetic Retinopathy Classification**
Gürcan Ö. F.
International Journal of Computational Intelligence Systems, vol.14, no.1, pp.1132-1141, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Analysis of G20 Countries in terms of Scientific Publication Performances**
Dündar S., Gürcan Ö. F., Karadağ İ.
JOURNAL OF MEHMET AKIF ERSOY UNIVERSITY ECONOMICS AND ADMINISTRATIVE SCIENCES FACULTY, vol.11, no.2, pp.589-611, 2024 (ESCI)

- II. **Selecting The Optimal E-Learning Platform for Universities: A Pythagorean Fuzzy AHP/TOPSIS Evaluation**
AKARGÖL İ., KARADAĞ İ., GÜRCAN Ö. F.
The European Journal of Research and Development, vol.4, no.2, pp.19-34, 2024 (Peer-Reviewed Journal)
- III. **A Hybrid Deep Learning-Metaheuristic Model for Diagnosis of Diabetic Retinopathy**
Gürcan Ö. F., Atıcı U., Beyca Ö. F.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.36, no.2, pp.693-703, 2023 (ESCI)
- IV. **A fuzzy multi-criteria decision-making method for selection of criteria for an e-learning platform**
GÜLDEŞ M., GÜRCAN Ö. F., ATICI U., ŞAHİN C.
European Journal of Science and Technology, no.32, pp.797-806, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **An Intelligent System for Determination of Stop – Loss and Take – Profit Limits: A Dynamic Decision Learning Approach**
SİVRİ M. S., gultekin a. b., ÜSTÜNDAĞ A., BEYCA Ö. F., ARI E., GÜRCAN Ö. F.
in: Intelligent and Fuzzy Systems. INFUS 2023. Lecture Notes in Networks and Systems, Kahraman, C., Sari, I.U., Oztaysi, B., Cebi, S., Cevik Onar, S., Tolga, A.Ç., Editor, Springer, Cham., pp.617-624, 2023
- II. **A Dynamic Feature Selection Technique for the Stock Price Forecasting**
SİVRİ M. S., gultekin a. b., ÜSTÜNDAĞ A., BEYCA Ö. F., GÜRCAN Ö. F., ARI E.
in: Intelligent and Fuzzy Systems. INFUS 2023. Lecture Notes in Networks and Systems, Kahraman, C., Sari, I.U., Oztaysi, B., Cebi, S., Cevik Onar, S., Tolga, A.Ç., Editor, Springer, Cham., pp.730-737, 2023
- III. **Multi-Criteria Decision-Making Methods for Biomass Energy Systems: A Review**
Güldeş M., Gürcan Ö. F.
in: Optimization and Decision-Making in the Renewable Energy Industry, Figen Balo, Ayşe Topal, Ezgi Demir, Alptekin Ulutaş, Editor, IGI Global, Pennsylvania, pp.182-214, 2022
- IV. **A Forecasting Study of Covid-19 Epidemic: Turkey Case**
GÜRCAN Ö. F., BEYCA Ö. F., ATICI U., ER O.
in: Intelligent and Fuzzy Systems, Kahraman, C., Tolga, A.C., Cevik Onar, S., Cebi, S., Oztaysi, B., Sari, I.U., Editor, Springer, Cham., pp.263-271, 2022
- V. **A Fuzzy Multi-Criteria Decision-Making Method for Selection of Biomass Power Plant Location**
ATICI U., GÜRCAN Ö. F., GÜLDEŞ M., ŞAHİN C.
in: Optimization and Decision-Making in the Renewable Energy Industry, Figen Balo, Ezgi Demir and Alptekin Ulutaş, Editor, IGI Global, pp.1-30, 2022
- VI. **Diagnosis of COVID-19 Using Deep CNNs and Particle Swarm Optimization**
GÜRCAN Ö. F., ATICI U., BİÇER M. B., DOĞAN O.
in: Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation, Kahraman C., Cebi S., Cevik Onar S., Oztaysi B., Tolga A.C., Sari I.U., Editor, Springer, Cham., pp.305-312, 2021
- VII. **A Detailed Comparison of Deep Neural Networks for Diagnosis of COVID-19**
BİÇER M. B., DOĞAN O., GÜRCAN Ö. F.
in: Deep Learning in Biomedical and Health Informatics, , Editor, CRC Press, pp.79-95, 2021
- VIII. **Measuring the Impact of Tacit Knowledge on Individual and Financial Performances: A Field Study in Turkey**
TARIM M., ERZURUM E., AKCAN A. F., GÜRCAN Ö. F., ZAİM H., ZAİM S.
in: Financial Ecosystem and Strategy in the Digital Era, Hacıoğlu Umit, Aksoy Tamer, Editor, Springer, pp.17-33, 2021
- IX. **Applications of Big Data and Green IoT Enabling Technologies for Smart Cities**
DOĞAN O., GÜRCAN Ö. F.
in: Handbook of Research on Big Data and the IoT, Gurjit Kaur and Pradeep Tomar, Editor, IGI Global, pp.22-41, 2019

- X. **Analysis of Frequent Visitor Patterns in a Shopping Mall**
DOĞAN O., GÜRCAN Ö. F., ÖZTAYŞI B., GOKDERE U.
in: Industrial Engineering in the Big Data Era, Calisir Fethi, Cevikcan Emre, Camgoz -Akdag Hatice, Editor, Springer, pp.217-227, 2019
- XI. **Optimal Strategy Selection in a Supply Chain**
GÜRCAN Ö. F., erdoğan a.
in: Handbook of Research on Applied Optimization Methodologies in Manufacturing Systems, , Editor, IGI Global, pp.231-250, 2017
- XII. **Factors Influencing Effective Knowledge Transfer in Organizations**
GÜRCAN Ö. F., ALTIN GÜMÜŞSOY Ç.
in: Global Practices in Knowledge Management for Societal and Organizational Development, , Editor, IGI Global, pp.271-292, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **A Framework for the Concept of Social Transcript As a Part of Smart University**
OLUÇOĞLU M., DOĞAN O., GÜRCAN Ö. F.
2023 Innovations in Intelligent Systems and Applications Conference (ASYU), Sivas, Turkey, 11 - 13 October 2023, pp.1-6
- II. **Diagnosis of Diabetic Retinopathy with Transfer Learning and Metaheuristic Algorithms**
GÜRCAN Ö. F., BEYCA Ö. F., OLUÇOĞLU M.
2023 Innovations in Intelligent Systems and Applications Conference (ASYU), Sivas, Turkey, 11 - 14 October 2023, pp.1-6
- III. **An Intelligent System for Determination of Stop – Loss and Take – Profit Limits: A Dynamic Decision Learning Approach**
Sivri M. S., Gultekin A. B., Üstündağ A., Beyca Ö. F., Arı E., GÜRCAN Ö. F.
Intelligent and Fuzzy Systems - Intelligence and Sustainable Future Proceedings of the INFUS 2023 Conference, İstanbul, Turkey, 22 - 24 August 2023, vol.759 LNNS, pp.617-624
- IV. **A Dynamic Feature Selection Technique for the Stock Price Forecasting**
Sivri M. S., Gultekin A. B., Üstündağ A., Beyca Ö. F., GÜRCAN Ö. F., Arı E.
Intelligent and Fuzzy Systems - Intelligence and Sustainable Future Proceedings of the INFUS 2023 Conference, İstanbul, Turkey, 22 - 24 August 2023, vol.758 LNNS, pp.730-737
- V. **A Forecasting Study of Covid-19 Epidemic: Turkey Case**
GÜRCAN Ö. F., BEYCA Ö. F., ATİCİ U., ER O.
INFUS 2022, 19 July 2022, pp.263-271
- VI. **Diagnosis of COVID-19 using Deep CNNs and Particle Swarm Optimization**
GÜRCAN Ö. F., ATİCİ U., BİÇER M. B., DOĞAN O.
International Conference on Intelligent and Fuzzy Systems, İzmir, Turkey, 06 May 2021
- VII. **Realising Newspaper Sales by Using Statistic Methods**
Dogan O., Gürcan Ö. F.
International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Turkey, 21 - 23 July 2020, pp.875-883
- VIII. **Data Perspective of Lean Six Sigma in Industry 4.0 Era: A Guide to Improve Quality**
DOĞAN O., GÜRCAN Ö. F.
2nd International Conference on Industrial Engineering and Operations Management, Paris, France, 26 - 27 July 2018, pp.943-953
- IX. **The Factors Affecting Knowledge Transfer Intention and Mediating Effect of Transactive Memory System**
GÜRCAN Ö. F., ÖKSÜZ M. K., DOĞAN O.
2nd International Conference On Industrial Engineering And Operations, Paris, France, 26 - 27 July 2018, pp.954-

- X. **A Customer Satisfaction Study in an Airline Company Centered in Turkey**
GÜRCAN Ö. F., BEYCA Ö. F., AKCAN A. F., ZAIM S.
Global Joint Conference of Industrial Engineering and Its Application Areas, 22 - 23 June 2018
- XI. **A Study on Giving Priority of Transition for Emergency Vehicles with Machine Communication**
L Osman K., DOĞAN O., GÜRCAN Ö. F.
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017
- XII. **Big Data, Smart City and Smart City Initiatives of Istanbul**
GÜRCAN Ö. F., DOĞAN O.
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017
- XIII. **Big Data and Energy-A Review**
GÜRCAN Ö. F., YAZICI İ.
International Symposium on Industry 4.0 and Applications, Karabük, Turkey, 12 - 14 October 2017
- XIV. **BIG DATA APPLICATIONS FOR BUILDING SMART CITIES A CANDIDATE SMART CITY ISTANBUL**
GÜRCAN Ö. F.
International Congress of Management Economy and Policy, İstanbul, Turkey, 26 - 27 November 2016, pp.3499-3507
- XV. **FACTOR ANALYSIS IN AN AIRLINE COMPANY FOR DETERMINING CUSTOMER SATISFACTION**
GÜRCAN Ö. F., YAZICI İ.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016, pp.600-605
- XVI. **Third Party Logistics (3PL) Provider Selection with AHP Application**
GÜRCAN Ö. F., YAZICI İ., BEYCA Ö. F., yavuz arslan ç., ELDEMİR F.
12th International Strategic Management Conference, KARADAĞ, 21 - 23 July 2016, vol.235, pp.226-234
- XVII. **The Factors Affecting Knowledge Transfer between Individuals in Organizations**
GÜRCAN Ö. F., ALTIN GÜMÜŞSOY Ç.
Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.281-290
- XVIII. **Vehicle Technology Selection with Integrated Fuzzy AHP TOPSIS Method**
YAZICI İ., GÜRCAN Ö. F.
Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.413-422
- XIX. **Determining the Critical Factors of Tacit Knowledge in Service Industry in Turkey**
zaim h., GÜRCAN Ö. F., TARIM M., ZAIM S., alpkan l.
11th International Strategic Management Conference 2015, viyana, Austria, 23 - 25 July 2015

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